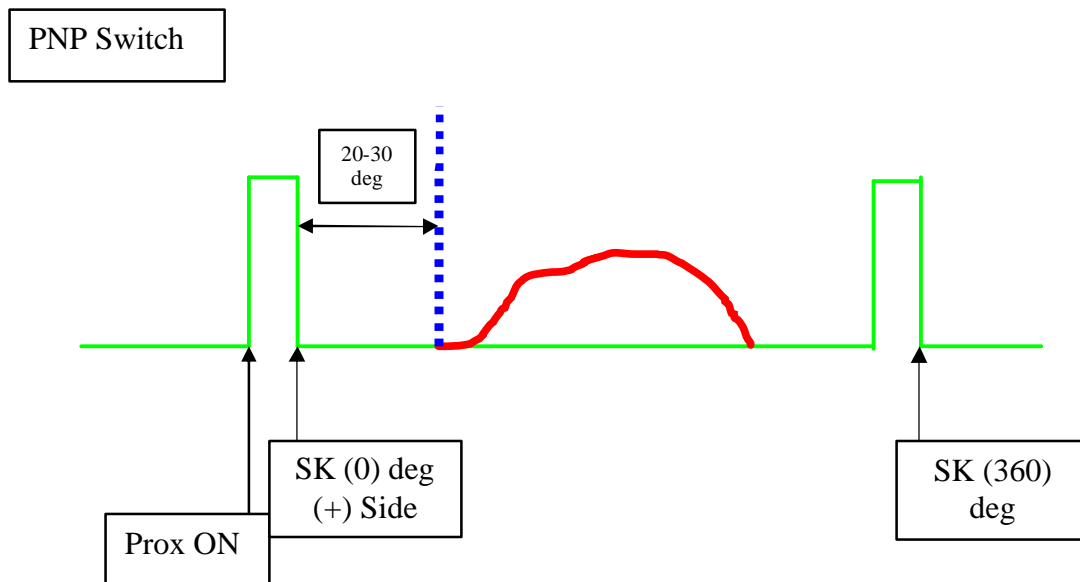


SK “Prox-Side Initiator”

Description

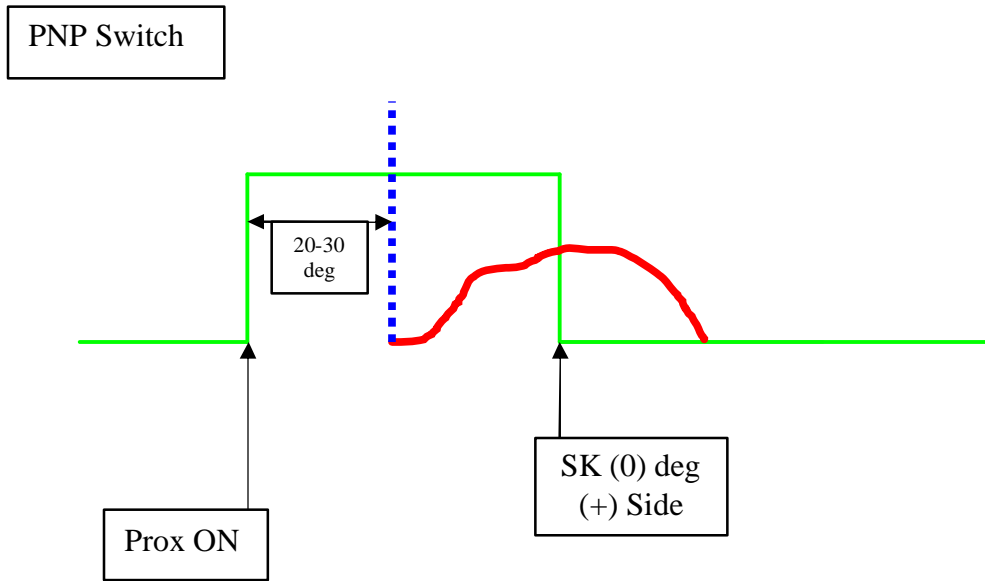
Formally called “Initiatorlevel” or “Proximity Flanc”, the parameter now called “Prox-side Initiator” allows the user to choose between which side (+/-) of the prox signal to use for the timing trigger. Moving from one side to the other will shift the trigger point and the scale in degrees. The selected prox signal is always establishing the (0) degree mark for the SK monitor.



(Fig. 1)

Operation

Figure 1 represents a pulsed trigger (i.e. bolt head sized metal flag) using a PNP **source** trigger on the (+) side initiator. Due to the very short length of time the pulse actually occurs and the signal not starting until at least (20) degrees after the prox pulse, setting the “Prox –Side Initiator” to (+) or (-) will have no affect on the SK monitors ability to correctly time the signal. This is referred to as “Standard Timing” and the preferred way to time the SK monitor.



(Fig. 2)

Figure 2 shows what can happen to the same signal if the prox switch trigger is allowed to dwell (i.e. Hartford roller timing) over an extended period of time. In the above case, the prox switches to ON at least (20) degrees before the forming signal, however, because the (0) mark on the SK is not until after the initial (+) side of the trigger, overlapping occurs and the actual monitored signal is not properly analyzed. By setting the “Prox-Side Initiator” to (-) moves the SK (0) degree mark back to properly time the signal (see below).

